

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) ☒ was filed on August 28, 2001 as Application Serial No. 09/941,992 and was amended on _ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed
Yes No

Number	Country	Day/Month/Year Filed

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:

Please see attached Appendix A (Listing 144 U.S. Provisional Patent Applications)

Application Ser. No.	Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Please see attached Appendix B (Listing 26 U.S. Applications and 43 PCT Applications)

Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned

Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

PATENT TRADEMARK OFFICE

Paul E. Rauch, Ph.D., Reg. No. 38,591, CUSTOMER NO. 28,442

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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Full name of sole or first inventor

Avi J. Ashkenazi

Inventor's signature



Date

10/2/01

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Full name of second joint inventor, if any

Kevin P. Baker

Inventor's signature



Date

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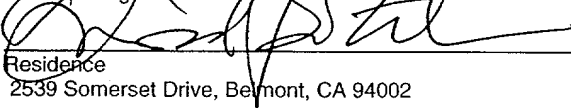
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Full name of third joint inventor, if any

David Botstein

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Date

10/03/01

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Full name of fourth joint inventor, if any

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Full name of fifth joint inventor, if any

Dan L. Eaton

Inventor's signature

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Full name of sixth joint inventor, if any

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Full name of seventh joint inventor, if any

Sherman Fong

Inventor's signature

Date

10/1/01

Residence

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Citizenship

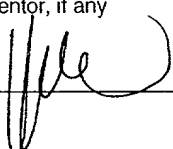
US

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Full name of eighth joint inventor, if any

Hanspeter Gerber



10/02/2001

Inventor's signature

Date

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Full name of ninth joint inventor, if any

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Post Office Address


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Full name of tenth joint inventor, if any

Audrey Goddard

Inventor's signature

Date



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Residence

110 Congo Street, San Francisco, CA 94131

Citizenship

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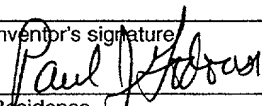
1 DNA Way
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Full name of twelfth joint inventor, if any

Paul J. Godowski

Inventor's signature

Date



10/1/01

Residence

25 Orange Court, Hillsborough, CA 94010

Citizenship

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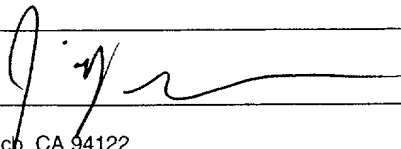
Post Office Address

1 DNA Way
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Full name of thirteenth joint inventor, if any

J. Christopher Grimaldi

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Date

10/2/01

Residence

1434 36th Avenue, San Francisco, CA 94122

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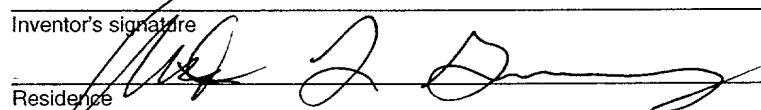
Post Office Address

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Full name of fourteenth joint inventor, if any

Austin L. Gurney

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Date

10/2/01

Residence

1 Debbie Lane, Belmont, CA 94002

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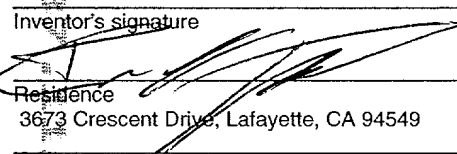
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Full name of fifteenth joint inventor, if any

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Date

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Full name of sixteenth joint inventor, if any

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Date

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Full name of seventeenth joint inventor, if any

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Date

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Full name of eighteenth joint inventor, if any

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Date

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Full name of nineteenth joint inventor, if any

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Full name of twentieth joint inventor, if any

Timothy A. Stewart

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Date

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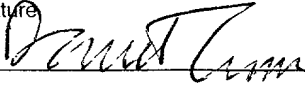
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Full name of twenty-first joint inventor, if any

Daniel Tumas

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Date

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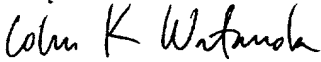
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Full name of twenty-second joint inventor, if any

Colin K. Watanabe

Inventor's signature



Date

10/2/2001

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Full name of twenty-third joint inventor, if any

P. Mickey Williams

Inventor's signature



Date

10/2/2001

Residence

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Citizenship

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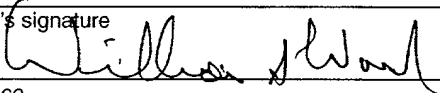
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Full name of twentieth-fourth joint inventor, if any

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Date

10/5/01

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Full name of twentieth-fifth joint inventor, if any

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Inventor's signature

2nd 3/4

Date _____

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Abstract—The purpose of this study was to determine the effect of a 10-week training program on the heart rate (HR) and heart rate reserve (HRR) of sedentary middle-aged men. The subjects were divided into two groups: a control group and a training group. The control group consisted of 10 men who did not participate in any physical activity during the study. The training group consisted of 10 men who participated in a 10-week training program. The training program consisted of three sessions per week, each lasting 30 minutes. The sessions were performed at a heart rate of 150 beats per minute. The HR and HRR were measured at rest and during exercise at the beginning and end of the study. The results showed that the training group had a significant increase in HR and HRR compared to the control group. The HR increased from 72 to 82 beats per minute, and the HRR increased from 28 to 38 beats per minute. The control group showed no significant change in HR and HRR. The results suggest that a 10-week training program can improve the cardiovascular fitness of sedentary middle-aged men.

APPENDIX A

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications listed below:

1. 60/049787 Filed 6/16/97
2. 60/062250 Filed 10/17/97
3. 60/065186 Filed 11/12/97
4. 60/065311 Filed 11/13/97
5. 60/066770 Filed 11/24/97
6. 60/075945 Filed 2/25/98
7. 60/078910 Filed 3/20/98
8. 60/083322 Filed 4/28/98
9. 60/084600 Filed 5/7/98
10. 60/087106 Filed 5/28/98
11. 60/087607 Filed 6/2/98
12. 60/087609 Filed 6/2/98
13. 60/087759 Filed 6/2/98
14. 60/087827 Filed 6/3/98
15. 60/088021 Filed 6/4/98
16. 60/088025 Filed 6/4/98
17. 60/088026 Filed 6/4/98
18. 60/088028 Filed 6/4/98
19. 60/088029 Filed 6/4/98
20. 60/088030 Filed 6/4/98
21. 60/088033 Filed 6/4/98
22. 60/088326 Filed 6/4/98
23. 60/088167 Filed 6/5/98
24. 60/088202 Filed 6/5/98
25. 60/088212 Filed 6/5/98
26. 60/088217 Filed 6/5/98
27. 60/088655 Filed 6/9/98
28. 60/088734 Filed 6/10/98
29. 60/088738 Filed 6/10/98
30. 60/088742 Filed 6/10/98
31. 60/088810 Filed 6/10/98
32. 60/088824 Filed 6/10/98
33. 60/088826 Filed 6/10/98
34. 60/088858 Filed 6/11/98
35. 60/088861 Filed 6/11/98
36. 60/088876 Filed 6/11/98
37. 60/089105 Filed 6/12/98
38. 60/089440 Filed 6/16/98
39. 60/089512 Filed 6/16/98
40. 60/089514 Filed 6/16/98
41. 60/089532 Filed 6/17/98
42. 60/089538 Filed 6/17/98
43. 60/089598 Filed 6/17/98
44. 60/089599 Filed 6/17/98
45. 60/089600 Filed 6/17/98
46. 60/089653 Filed 6/17/98

47. 60/089801 Filed 6/18/98
48. 60/089907 Filed 6/18/98
49. 60/089908 Filed 6/18/98
50. 60/089947 Filed 6/19/98
51. 60/089948 Filed 6/19/98
52. 60/089952 Filed 6/19/98
53. 60/090246 Filed 6/22/98
54. 60/090252 Filed 6/22/98
55. 60/090254 Filed 6/22/98
56. 60/090349 Filed 6/23/98
57. 60/090355 Filed 6/23/98
58. 60/090429 Filed 6/24/98
59. 60/090431 Filed 6/24/98
60. 60/090435 Filed 6/24/98
61. 60/090444 Filed 6/24/98
62. 60/090445 Filed 6/24/98
63. 60/090472 Filed 6/24/98
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65. 60/090540 Filed 6/24/98
66. 60/090542 Filed 6/24/98
67. 60/090557 Filed 6/24/98
68. 60/090676 Filed 6/25/98
69. 60/090678 Filed 6/25/98
70. 60/090690 Filed 6/25/98
71. 60/090694 Filed 6/25/98
72. 60/090695 Filed 6/25/98
73. 60/090696 Filed 6/25/98
74. 60/090862 Filed 6/26/98
75. 60/090863 Filed 6/26/98
76. 60/091360 Filed 7/1/98
77. 60/091478 Filed 7/2/98
78. 60/091544 Filed 7/1/98
79. 60/091519 Filed 7/2/98
80. 60/091626 Filed 7/2/98
81. 60/091633 Filed 7/2/98
82. 60/091628 Filed 7/2/98
83. 60/091646 Filed 7/2/98
84. 60/091673 Filed 7/2/98
85. 60/091978 Filed 7/7/98
86. 60/091982 Filed 7/7/98
87. 60/092182 Filed 7/9/98
88. 60/092472 Filed 7/10/98
89. 60/093339 Filed 7/20/98
90. 60/094651 Filed 7/30/98
91. 60/095282 Filed 8/4/98
92. 60/095285 Filed 8/4/98
93. 60/095302 Filed 8/4/98
94. 60/095318 Filed 8/4/98
95. 60/095321 Filed 8/4/98

96. 60/095301 Filed 8/4/98
97. 60/095325 Filed 8/4/98
98. 60/095916 Filed 8/10/98
99. 60/095929 Filed 8/10/98
100. 60/096012 Filed 8/10/98
101. 60/096143 filed 8/11/98
102. 60/096146 Filed 8/11/98
103. 60/096329 Filed 8/12/98
104. 60/096757 Filed 8/17/98
105. 60/096766 Filed 8/17/98
106. 60/096768 Filed 8/17/98
107. 60/096773 Filed 8/17/98
108. 60/096791 Filed 8/17/98
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112. 60/096895 filed 8/17/98
113. 60/096897 Filed 8/17/98
114. 60/096949 Filed 8/18/98
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118. 60/097022 Filed 8/18/98
119. 60/097141 Filed 8/19/98
120. 60/097218 Filed 8/20/98
121. 60/097661 Filed 8/24/98
122. 60/097952 Filed 8/26/98
123. 60/097954 Filed 8/26/98
124. 60/097955 Filed 8/26/98
125. 60/098014 Filed 8/26/98
126. 60/097971 Filed 8/26/98
127. 60/097974 Filed 8/26/98
128. 60/097978 Filed 8/26/98
129. 60/097986 Filed 8/26/98
130. 60/097979 Filed 8/26/98
131. 60/098525 Filed 8/31/98
132. 60/100634 Filed 9/16/98
133. 60/100858 Filed 9/17/98
134. 60/113296 Filed 12/22/98
135. 60/123957 Filed 3/12/99
136. 60/141037 Filed 6/23/99
137. 60/143048 Filed 7/7/99
138. 60/144758 Filed 7/20/99
139. 60/145698 Filed 7/26/99
140. 60/146222 Filed 7/28/99
141. 60/149396 Filed 8/17/99
142. 60/158663 Filed 10/8/99
143. 60/213637 Filed 6/23/00
144. 60/230978 Filed 9/7/00

APPENDIX B

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications listed below:

U.S. Patent Applications

1. 08/743698 Filed 11/6/96
2. 08/876698 Filed 6/16/97, now abandoned
3. 08/965056 Filed 11/5/97, US Patent No: 6,271,198 issued: 8/7/01
4. 09/105413 Filed 6/26/98
5. 09/168978 Filed 10/7/98
5. 09/187368 Filed 11/6/98
6. 09/202054 Filed 12/7/98
1. 09/218517 filed 12/22/98, now abandoned
9. 09/254311 Filed 3/3/99
10. 09/254460 Filed 3/9/99, now abandoned
11. 09/267213 Filed 3/12/99, now abandoned
12. 09/284291 Filed 4/12/99, now abandoned
13. 09/380137 Filed 8/25/99, now abandoned
14. 09/380138 Filed 8/25/99, now abandoned
15. 09/380139 Filed 8/25/99
16. 09/403296 Filed 10/18/99, now abandoned
17. 09/423844 Filed 11/12/99, now abandoned
18. 09/664610 Filed 9/18/00, now abandoned
19. 09/665350 Filed 9/18/00
20. 09/709238 Filed 11/8/00
21. 09/808689 Filed 3/14/01, now abandoned
22. 09/854816 Filed 5/15/01
23. 09/866028 Filed 5/25/01
24. 09/866034 Filed 5/25/01
25. 09/872035 Filed 6/1/01
26. 09/882636 Filed 6/14/01, now abandoned

PCT International Patent Applications:

1. PCT/US97/20069 Filed 11/5/97
2. PCT/US98/19330 Filed 9/16/98
3. PCT/US98/19437 Filed 9/17/98, now abandoned
4. PCT/US98/21141 Filed 10/7/98
5. PCT/US98/25108 Filed 12/1/98
6. PCT/US99/00106 Filed 1/5/99, now abandoned
7. PCT/US99/05028 Filed 3/8/99
8. PCT/US99/12252 Filed 6/2/99
9. PCT/US99/21090 Filed 9/15/99
10. PCT/US99/21547 Filed 9/15/99
11. PCT/US99/28313 Filed 11/30/99
12. PCT/US99/28301 Filed 12/1/99
13. PCT/US99/28634 Filed 12/1/99
14. PCT/US99/30095 Filed 12/16/99
15. PCT/US99/30911 Filed 12/20/99
16. PCT/US00/00219 Filed 1/5/00, now abandoned
17. PCT/US00/00376 Filed 1/6/00, now abandoned

18. PCT/US00/03565 Filed 2/11/00
19. PCT/US00/04341 Filed 2/18/00
20. PCT/US00/04414 Filed 2/22/00
21. PCT/US00/04914 Filed 2/24/00, now abandoned
22. PCT/US00/05004 Filed 2/24/00
23. PCT/US00/05841 Filed 3/2/00
24. PCT/US00/06319 Filed 3/10/00, now abandoned
25. PCT/US00/06884 Filed 3/15/00
26. PCT/US00/07377 Filed 3/20/00
27. PCT/US00/08439 Filed 3/30/00
28. PCT/US00/13358 Filed 5/15/00
29. PCT/US00/14042 Filed 5/22/00
30. PCT/US00/15264 Filed 6/2/00
31. PCT/US00/13705 Filed 5/17/00
32. PCT/US00/14941 Filed 5/30/00
33. PCT/US00/20710 Filed 7/28/00
34. PCT/US00/22031 Filed 8/11/00
35. PCT/US00/23522 Filed 8/23/00
36. PCT/US00/23328 Filed 8/24/00
37. PCT/US00/30952 Filed 11/8/00
38. PCT/US00/32678 Filed 12/1/00
39. PCT/US01/06520 Filed 2/28/01
40. PCT/US01/17800 Filed 6/1/01
41. PCT/US01/19692 Filed 6/20/01
42. PCT/US01/21066 Filed 6/29/01
43. PCT/US01/21735 Filed 7/9/01

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) X was filed on August 28, 2001 as Application Serial No. 09/941,992 and was amended on (if applicable).

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I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed
Yes No

Number	Country	Day/Month/Year Filed
I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:		
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POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



09157

PATENT TRADEMARK OFFICE

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 Email: prauch@brinkshofer.com

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Patent 4,834,660

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09157

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Application Ser. No.	Filing Date	Status: Patented, Pending, Abandoned
POWER OF ATTORNEY: As a named inventor, I hereby appoint all Attorney(s) and/or Agent(s) associated with the following Patent Office Issued Customer Number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.		



09157

PATENT TRADEMARK OFFICE

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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

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Patent # 6,636,630

**COMBINED DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME

the specification of which (check one) ☒ was filed on August 28, 2001 as Application Serial No. 09/941,992 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed
Yes No

Number	Country	Day/Month/Year Filed

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below:

Please see attached Appendix A (Listing 144 U.S. Provisional Patent Applications)

Application Ser. No.	Filing Date

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Please see attached Appendix B (Listing 26 U.S. Applications and 43 PCT Applications)

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